

THE SIMULATION OF PROTOCOL 802.11 INFLUENCE ON NETWORK ACCESS METHOD FOR WIRELESS DATA COMMUNICATIONS

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ABSTRACT

This research aims to analyze the influence of traffic in relation to data transmission which arrived from several nodes by applying 802.11 protocol with CSMA/CA method. The simulation was performed using MATLAB with 5 nodes and 16 data packets with simulation time of 600 ms. The result of this experiment shows that the utilization of CSMA/CA as protocol provides better results than CSMA. The

number of transmitted packets improve twice as much as when using CSMA method.

Keyword(s): Protocol 802.11, CSMA/CA, RTS, CTS, ACK.

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